

## **WHAT IS CLAIMED:**

1. A cursor pointing device, to be operated in a surface, for use in a computer, the cursor pointing device comprising:
  - a case;
  - 5 a controller; and
  - a vibration sensor installed in the case, including a two-axis accelerometer for detecting a two-dimensional movement of the case to send a positioning signal to the controller which send a motional signal to the computer to control a cursor thereof.
- 10 2. The cursor pointing device of claim 1, the motional signal is send to the computer by a cord or via a wireless transmission.
3. The cursor pointing device of claim 1, wherein the case has a ring, a bracelet or a pen shape.
4. The cursor pointing device of claim 1, wherein the controller
- 15 includes a microprocessor.
5. The cursor pointing device of claim 1, wherein the surface is a flat surface.
6. A cursor pointing device, to be operated in a space, for use in a computer, the cursor pointing device comprising:
  - 20 a case;
  - a controller; and
  - a vibration sensor installed in the case, including a two-axis accelerometer for detecting a two-dimensional movement of the case to send a positioning signal to the controller which send a motional signal to the
  - 25 computer to control a cursor thereof.
7. The cursor pointing device of claim 6, the motional signal is send to the computer by a cord or via a wireless transmission.

8. The cursor pointing device of claim 6, wherein the case has a ring, a bracelet or a pen shape.

9. The cursor pointing device of claim 6, wherein the controller includes a microprocessor.